

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
126750-1

In Re Application Of: **Jiawen Dong, et al.**

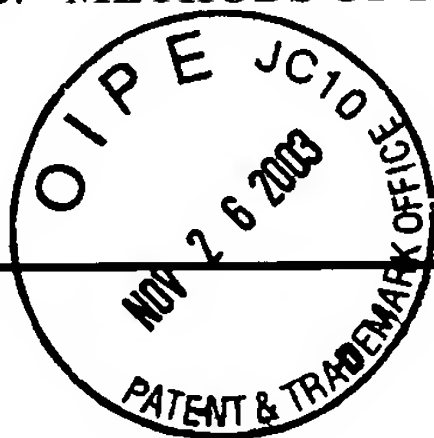
Serial No.  
10/648,604

Filing Date  
August 26, 2003

Examiner  
NYA

Group Art Unit  
1732

Title: **METHODS OF PURIFYING POLYMERIC MATERIAL**



Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

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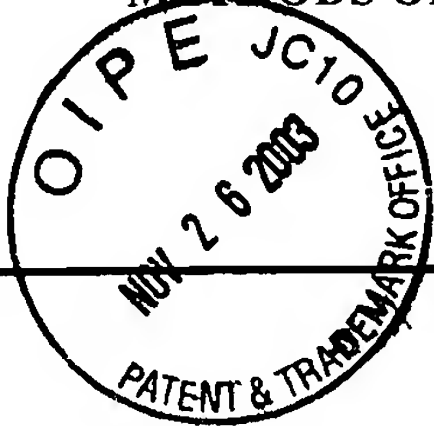
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**METHODS OF PURIFYING POLYMERIC MATERIAL**



**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **07-0862**  
as described below.
- ☐ Charge the amount of \_\_\_\_\_
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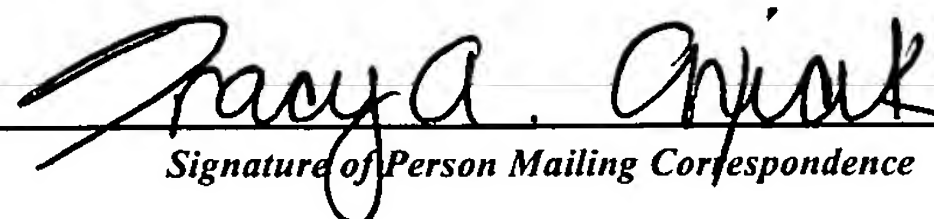
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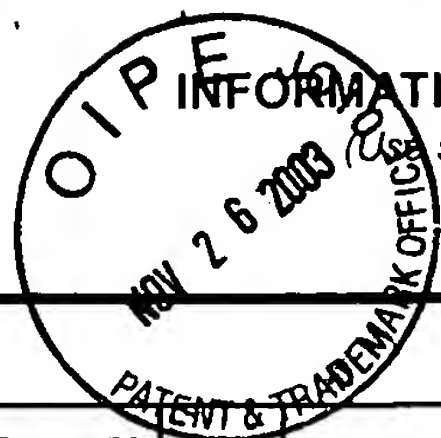
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Dated: **November 24, 2003**

**Roberta L. Pelletier, Esq.**  
Registration No. 46,372  
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## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

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Jiawen Dong, et al.

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August 26, 2003GROUP  
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## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE    | NAME             | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----------------|---------|------------------|-------|----------|-------------------------------|
|                      | 3,306,874       | 2/28/67 | Hay              |       |          |                               |
|                      | 3,306,875       | 2/28/67 | Hay              |       |          |                               |
|                      | 3,365,422       | 1/23/68 | Van Dort         |       |          |                               |
|                      | 3,383,435       | 5/14/68 | E.P. Cizek       |       |          |                               |
|                      | 3,639,656       | 2/1/72  | Bennett, et al.  |       |          |                               |
|                      | 3,642,699       | 2/16/72 | Cooper, et al.   |       |          |                               |
|                      | 3,661,848       | 5/9/72  | Cooper, et al.   |       |          |                               |
|                      | 3,733,299       | 5/15/73 | Cooper, et al.   |       |          |                               |
|                      | 3,838,102       | 9/24/74 | Bennett, et al.  |       |          |                               |
|                      | 3,962,181       | 6/8/76  | Sakauchi, et al. |       |          |                               |
|                      | 3,973,890       | 8/10/76 | Porter, et al.   |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|-----------------|----------|---------|-------|----------|-------------|----|
|  |                 |          |         |       |          | YES         | NO |
|  | EP 0 225 801 ✓  | 08.12.86 | Europe  |       |          |             |    |
|  | EP 0 271 000 ✓  | 03.12.87 | Europe  |       |          |             |    |
|  | EP 0 295 891 ✓  | 15.06.88 | Europe  |       |          |             |    |
|  | EP 0 303 209 ✓  | 06.08.88 | Europe  |       |          |             |    |
|  | EP 0 642 124    | 06.09.94 | Europe  |       |          |             |    |

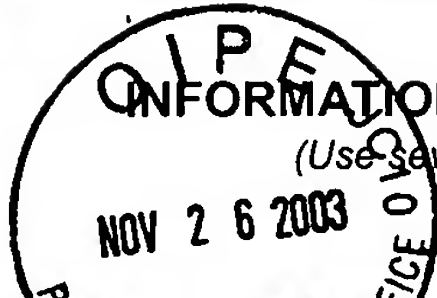
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |  |
|--|--|--|
|  |  | JP11268098. Publication Date 1999-10-05. Abstract Only |
|  |  | JP58147332. Publication Date 1983-09-02. Abstract Only |

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|  | ATTY DOCKET NO.<br>126750-1 | SERIAL NO.<br>10/648,604 |
|  | Jiawen Dong, et al.         |                          |
|  | FILING<br>August 26, 2003   | GROUP<br>1732            |

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| *EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE     | NAME                | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----------------|----------|---------------------|-------|----------|-------------------------------|
|                      | 4,054,553       | 10/18/77 | Olander             |       |          |                               |
|                      | 4,083,828       | 4/11/78  | Olander             |       |          |                               |
|                      | 4,092,294       | 5/30/78  | Bennett, Jr. et al. |       |          |                               |
|                      | 4,373,065       | 2/8/83   | Prest, Jr.          |       |          |                               |
|                      | 4,421,470       | 12/20/83 | Nakamura            |       |          |                               |
|                      | 4,760,118       | 7/26/88  | White, et al.       |       |          |                               |
|                      | 4,808,262       | 2/28/89  | Aneja, et al.       |       |          |                               |
|                      | 4,845,142       | 7/4/89   | Niwano, et al.      |       |          |                               |
|                      | 4,987,194       | 1/22/91  | Maeda, et al.       |       |          |                               |
|                      | 4,992,222       | 2/12/91  | Banevicius, et al.  |       |          |                               |
|                      | 4,994,217       | 2/19/91  | Banevicius, et al.  |       |          |                               |

**FOREIGN PATENT DOCUMENTS**

|  | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|-----------------|----------|---------|-------|----------|-------------|----|
|  |                 |          |         |       |          | YES         | NO |
|  | EP 0 724 259    | 26.01.96 | Europe  |       |          |             |    |
|  | EP 0 770 637 ✓  | 10.10.96 | Europe  |       |          |             |    |
|  | EP 1 031 972 ✓  | 23.02.00 | Europe  |       |          |             |    |
|  | EP 1 047 055 ✓  | 22.04.99 | Europe  |       |          |             |    |
|  | EP 1 130 587    | 05.03.01 | Europe  |       |          |             |    |

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |
|--|--|
|  | JP6093014. Publication Date 1994-04-05. Abstract Only  |
|  | Paul F. Ranken "Flame Retardants" Plastics Additives Handbook, 5th Edition. Hanser Publishers, Munich. 2001. pp. 681-696 |

|          |                 |
|----------|-----------------|
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|----------|-----------------|

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|----------------------|-----------------|----------|--------------------|-------|----------|-------------------------------|
|                      | 5,017,655       | 5/21/91  | Kase, et al.       |       |          |                               |
|                      | 5,053,288       | 10/1/91  | Hashimoto, et al.  |       |          |                               |
|                      | 5,102,591       | 4/7/92   | Hasson, et al.     |       |          |                               |
|                      | 5,204,410       | 4/20/93  | Banevicius, et al. |       |          |                               |
|                      | 5,250,486       | 10/5/93  | Shaffer            |       |          |                               |
|                      | 5,586,110       | 12/17/96 | Nakaki             |       |          |                               |
|                      | 5,607,700       | 3/4/97   | Kando, et al.      |       |          |                               |
|                      | 5,833,848       | 11/10/98 | Tominari, et al.   |       |          |                               |
|                      | 6,306,978       | 10/23/01 | Braat, et al.      |       |          |                               |
|                      | 6,365,710       | 4/2/02   | Wang, et al.       |       |          |                               |
|                      | 6,372,175       | 4/16/02  | Inoue, et al.      |       |          |                               |

FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|-----------------|------------|---------|-------|----------|-------------|----|
|  |                 |            |         |       |          | YES         | NO |
|  | EP 1 167 419 ✓  | 19.06.01   | Europe  |       |          |             |    |
|  | EP 1 167 420 ✓  | 19.06.01   | Europe  |       |          |             |    |
|  | EP 1 167 421 ✓  | 19.06.01   | Europe  |       |          |             |    |
|  | JP 2-107651 ✓   | 19-04-1990 | Japan   |       |          | ✓           |    |
|  | JP 9-237437 ✓   | 9/9/1997   | Japan   |       |          | ✓           |    |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |  |
|--|--|--|
|  |  | R. Scherrer. "Colorants". Plastics Additives Handbook, 5th Edition. Hanser Publixhers, Munich. 2001. pp. 813-882 |
|  |  |  |

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| <div style="display: flex; align-items: center; justify-content: center;"> <div> <p><b>INFORMATION DISCLOSURE CITATION</b></p> <p><i>(Use several sheets if necessary)</i></p> <p><b>NOV 26 2003</b></p> </div> </div> |  |  |  | ATTY DOCKET NO.<br><b>126750-1</b> |  | SERIAL NO.<br><b>10/648,604</b> |  |
|  |  |  |  | Jiawen Dong, et al.                |  |                                 |  |
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| U.S. PATENT DOCUMENTS |  |                 |          |                   |       |          |                               |
|-----------------------|--|-----------------|----------|-------------------|-------|----------|-------------------------------|
| *EXAMINER<br>INITIAL  |  | DOCUMENT NUMBER | DATE     | NAME              | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|                       |  | 6,407,200       | 6/18/02  | Singh, et al.     |       |          |                               |
|                       |  | 6,437,084       | 8/20/02  | Birsak, et al.    |       |          |                               |
|                       |  | 6,444,779       | 9/3/02   | Singh, et al.     |       |          |                               |
|                       |  | 6,469,128       | 10/22/02 | Guo, et al.       |       |          |                               |
|                       |  | 2002/0062054    | 5/23/02  | Cistone, et al.   |       |          |                               |
|                       |  | 2002/0094455    | 7/18/02  | Feist, et al.     |       |          |                               |
|                       |  | 2002/0197438    | 12/26/02 | Hay, et al.       |       |          |                               |
|                       |  | 2002/0197441    | 12/26/02 | Hariharan, et al. |       |          |                               |
|                       |  | 2003/0044564    | 3/6/03   | Dris, et al.      |       |          |                               |
|                       |  | 2003/0067089    | 4/10/03  | Wang, et al.      |       |          |                               |
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| FOREIGN PATENT DOCUMENTS |  |                 |            |         |       |          |             |    |
|--------------------------|--|-----------------|------------|---------|-------|----------|-------------|----|
|                          |  | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|                          |  |                 |            |         |       |          | YES         | NO |
|                          |  | JP 1-92209      | 1989-4-11  | Japan   |       |          | ✓           |    |
|                          |  | JP 2-208342 ✓   | 8/17/1990  | Japan   |       |          | ✓           |    |
|                          |  | JP 63-13722 ✓   | 1988-1-21  | Japan   |       |          | ✓           |    |
|                          |  | JP 63-256427 ✓  | 24-10-1988 | Japan   |       |          | ✓           |    |
|                          |  | JP 63-301247    | 12/8/1988  | Japan   |       |          | ✓           |    |

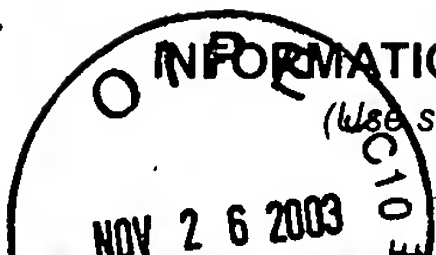
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|  |  |                 |            |         |       |          | YES         | NO |
|  |  | JP 63-309547 ✓  | 16-12-1988 | Japan   |       |          | ✓           |    |
|  |  | JP 63-86738 ✓   | 4/18/88    | Japan   |       |          | ✓           |    |
|  |  | JP 63-91231 ✓   | 4/21/88    | Japan   |       |          | ✓           |    |
|  |  | JP 63-91232 ✓   | 4/21/88    | Japan   |       |          | ✓           |    |
|  |  | JP 64-42601 ✓   | 14-2-1989  | Japan   |       |          | ✓           |    |

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

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| <div>INFORMATION DISCLOSURE CITATION<br/>(Use several sheets if necessary)</div> <div>PTO<br/>NOV 26 2003<br/>PATENT &amp; TRADEMARK OFFICE</div> | Docket Number (Optional)<br>126750-1 | Application Number<br>10/648,604 |
|   | Applicant(s)<br>Jiawen Dong, et al.  |                                  |
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FOREIGN PATENT DOCUMENTS

|  | REF | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | Translation |    |
|--|-----|-----------------|----------|---------|-------|----------|-------------|----|
|  |     |                 |          |         |       |          | YES         | NO |
|  |     | WO 01/11618     | 15.02.01 | PCT     |       |          |             |    |
|  |     | WO 02/43943     | 06.06.02 | PCT     |       |          |             |    |
|  |     |                 |          |         |       |          |             |    |
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